

**I Claim:**

1. A vitreous cutter comprising:
  - a housing;
  - Ross ✓*  
a plurality of vanes rotatably attached within the housing;
  - Graham*  
an inlet for receiving pressurized fluid causing rotation of the vanes;
  - an outlet for allowing the pressurized fluid to exit the cutter;
  - a cam rotatably attached within the housing and structured to rotate upon rotation  
of the vanes; and
  - a vitrectomy probe contained within the housing and structured for reciprocal  
movement caused by rotating the cam.
2. The vitreous cutter of claim 1 wherein the pressurized fluid is a continuous source  
of air.
3. The vitreous cutter of claim 1 wherein the vitrectomy probe further includes:
  - a cam-plate attached to a proximal end of the vitrectomy probe;
  - 1 hr ✓  
Kastner*  
a spring surrounding the vitrectomy probe;  
wherein the spring is positioned between the cam-plate and the housing such that  
the cam-plate is biased towards the cam; and  
wherein the cam rotation causes reciprocating movement of the vitrectomy probe.

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4. The vitreous cutter of claim 1 further including a brake for selectively stopping rotation of the cam.
  5. The vitreous cutter of claim 4 wherein the brake is structured to stop rotation of the cam in less than one (1) revolution of the cam after the pressurized fluid has been cut-off from the inlet.
  6. The vitreous cutter of claim 4 wherein the brake further includes:
    - 4 a resilient arm fixedly attached to the housing at one end;
    - a brake-block attached to an opposing end of the arm;
    - a notched shaft-portion fixed upon an axis of rotation of the cam such that the notch receives the brake-block; and

wherein the resilient arm is deflected by the pressurized fluid to allow rotation of the cam and where the arm causes the brake-block to be received within the notch after the pressurized fluid has been cut-off from the inlet.
  7. The vitreous cutter of claim 1 wherein the vitreous probe further includes an aspiration bore such that the bore is in communication with an aspiration channel contained within the housing.